Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/07/2020 11:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124723	-1	2.74	124824	2.69
Blue	F	SSC	125000	124217	-1	1.75	124950	1.69
Blue	E	FITC	15892	15498	-3	2.87	338	21.36
Blue	D	PE	29999	29275	-3	1.99	638	15.99
Blue	B	PerCP-Cy5-5	43732	43503	-1	3.86	1161	21.60
Blue	A	PE-Cy7	30845	30811	-1	6.31	586	43.50
Red	C	APC	46112	45193	-2	2.48	1594	12.15
Red	A	APC-Cy7	30458	29777	-3	2.43	785	12.11
Violet	B	V450	7918	7606	-4	4.29	438	13.38
Violet	A	V500	32171	30663	-5	3.93	717	10.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17166	14.21	652	31	N/A	N/A	Pass
Blue	F	SSC	57423	1.21	581	22	N/A	N/A	Pass
Blue	E	FITC	61	68.96	552	9	0.0177	176	Pass
Blue	D	PE	134	50.47	558	10	0.1204	185	Pass
Blue	B	PerCP-Cy5-5	216	52.04	666	10	0.0080	43	Pass
Blue	A	PE-Cy7	107	108.72	712	14	0.0096	16	Pass
Red	C	APC	382	25.32	589	5	0.0244	157	Pass
Red	A	APC-Cy7	174	28.24	560	4	0.0053	642	Pass
Violet	B	V450	66	58.41	463	5	0.0426	1624	Pass
Violet	A	V500	107	33.57	478	4	0.0225	708	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.20	-32.05	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	14.99	13.60 - 20.40	N/A	N/A	28.85	29.89	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9764

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments